

## School IPM Advisory Group Update

### 1. Updated School IPM Activities (July, 2002 – October, 2003)

#### Training

- DPR developed and conducted a pilot school IPM training workshop attended by 31 school district staff representing 29 districts. We invited observers to attend and evaluate the program.
- DPR conducted four regional school IPM training workshops to school district IPM coordinators at Standley Middle School (San Diego) on May 1, Walnut Elementary School (Los Angeles area) on May 23, June 4 at Davis High School (Yolo county) and June 13 at Shasta High School (Redding). At each workshop a local UC representative spoke about the principles of IPM and the resources available through the University of California. County Agricultural Commissioners discussed any enforcement issues related to school IPM and AB 2260, the Healthy Schools Act. The IPM trainers at each workshop have worked with schools, are aware of the unique nature of pest management in school settings, and are experts in structural and landscape IPM and reduced-risk pest management. Michael Baefsky (Baefsky and Associates) taught landscape IPM at all locations. Structural IPM was taught by Michael Wolf (IPM BioCare), Jim Harmon (Urban Entomology Associates) and Jeff Van Diepen (Pestmaster Services, Inc). Total attendance was 100 staff from 79 school districts.
- We developed and distributed pest-specific school IPM fact sheets, one on ants and one on cockroaches and began work on yellowjackets, gophers, and weeds.

#### Web site

- The Health and Environmental LookUP Resource pages (HELPR) provide information about public health and environmental impacts of pesticides in a user-friendly format. Starting with a specific pest, users can first read the appropriate management recommendations from UCIPM's Pest Notes series. Another page summarizes toxicological and exposure data for all of the management tactics mentioned in the Pest Note. This page includes:
  - Information on toxicity (fact sheets from National Pesticide Information Center, Extension Toxicology Network, and others).
  - Information on exposure (availability of lower-exposure formulations such as baits, traps, or gels/pastes).
  - Consequences of not treating (health, economic, and environmental implications).
  - Lists of products available, with U.S. Environmental Protection Agency signal words and restricted status.
  - Status of pesticide active ingredients on various official government lists.
  - HELPR pages are available for ants, cockroaches, flies, head lice, spiders, termites, gophers, mice and rats.
  - DPR added a regulatory status page allowing users to see at a glance whether specific pesticide active ingredients are on various regulatory lists. This enhancement makes the HELPR pages a seamless, one-stop resource for pest managers.

### School IPM Guidebook

We worked with DPR's California School IPM Advisory Group to review and revise our California School IPM Guidebook for a Model Integrated Pest Management Program. We distributed this revised edition (2003) in our school IPM training workshops and posted it to our website.

### Survey

- DPR conducted its first school district survey in 2001 to provide information on various pest management practices and policies and to identify resources that school districts might need for implementing IPM. Based on the results, DPR focused its attention on resources of most interest to school staff: preventing pest problems, least-toxic pest management practices, pest management practices at other schools, and lists of products/tools considered to be least-toxic pest management alternatives.
- DPR conducted its second survey and published the results in a report entitled 2002 Integrated Pest Management Survey of California School Districts Summary Report of Findings; the report was also posted to our Web site.
- Published: *2002 Integrated Pest Management Survey of California School Districts*. Pest Management and Licensing Branch, Department of Pesticide Regulation, Sacramento, CA.

### Outreach

- DPR finalized its Frequently Asked Questions (FAQ) document.
- Staff published four articles to assist school districts to implement IPM and to promote the adoption of IPM.
  - *Making the Grade in School Pest Management*. CASBO Journal of School Business Management, Sept/Oct, 2002.
  - *Putting IPM into Practice*. CASBO Journal of School Business Management, July/August, 2003.
  - *Pests and Pest Management: Making the Grade with Integrated Pest Management*. Small School Districts' Association Newsletter 22(8): 2,4.
  - *Pest Prevention: Maintenance Practices and Facility Design*, April 2002. PM Report 92-03. Department of Pesticide Regulation, Pest Management and Licensing Branch, Sacramento, CA. Posted to website.
- DPR staff conducted 30 presentations. Staff responded to numerous questions and requests for information from school districts and other stakeholders.

### Other

- DPR collects pesticide use information from licensed pest control businesses. Staff has completed a temporary database in which information can be stored. However, entering and analyzing the data are on hold due to insufficient resources.
- DPR, in cooperation with UC Statewide IPM Program, began developing an interactive school IPM training DVD. This is modeled after a successful UC Master Gardener pilot project and is intended to supplement the training workshops by providing IPM coordinators with an additional tool to use for their localized inter-district training efforts. The first pests modules will focus on ants and weeds.

## 2. Planned Activities Over the Next Two Years (November, 2003 – December, 2005)

### Training

- DPR plans to conduct four regional school IPM training workshops statewide each year. Each workshop can accommodate up to 40 participants. Over the next two years, up to 320 school districts will take these training workshops.
- In 2004, regional IPM training workshops will be held in Santa Clara, Stanislaus, Tulare, Ventura and San Luis Obispo counties.
  - April 13: Beyer High School, Modesto (Stanislaus county).  
Trainers: 1) Landscape IPM: Phil Boise of Urban/Ag Ecology Consulting Services works with school district staff and landscape professionals to develop pest management programs that protect the environment and human health. Phil has studied, practiced, and taught IPM to farmers and horticulture professionals for more than two decades; 2) Structural IPM: Ingrid Carmean has been involved in research, agricultural consulting, and structural IPM since 1977. Ingrid has worked with a large school district assessing pest management practices and teaching pest prevention, IPM, and effective pesticide use for more than five years.  
Speakers: Joe Duchala, Stanislaus County Deputy Agricultural Commissioner, Mary Lou Flint, University of California Statewide IPM Program
  - April 22: Fremont High School, Sunnyvale (Santa Clara county).  
Trainers: 1) Landscape IPM: Phil Boise; 2) Structural IPM: Ingrid Carmean  
Speakers: Michelle Nachand, Santa Clara County Agricultural Commissioner's office, Steve Dreistadt, University of California Statewide IPM Program
  - May 3: Visalia Unified Operations 2 Office (Valley Oak Middle School), Visalia (Tulare county)  
Trainers: 1) Landscape IPM: Phil Boise; 2) Structural IPM: Ingrid Carmean  
Speakers: Bill Deavours, Tulare County Agricultural Commissioner's Office, Mary Lou Flint, University of California Statewide IPM Program
  - June 15: Buena High School, Ventura (Ventura county)  
Trainers: 1) Landscape IPM: Phil Boise; 2) Structural IPM: Ingrid Carmean  
Speakers: Susan Johnson, Ventura County Deputy Agricultural Commissioner, Jim Downer, UC Cooperative Extension, Ventura County
  - June 23: New addition to training workshop schedule! - San Luis Obispo High School, San Luis Obispo (SLO county)  
Trainers: 1) Landscape IPM: Phil Boise; 2) Structural IPM: Ingrid Carmean  
Speakers: to be determined
- DPR plans to distribute school IPM curricula on key pests to school IPM coordinators who attend school IPM training workshops that they can use if they choose to train their staff. We also plan to post them to our Web site.
- DPR will develop more pest-specific IPM fact sheets (yellowjackets, gophers, weeds) to distribute and post to our Web site

### Survey

- DPR plans to evaluate the implementation of IPM by those districts that attended school IPM training workshops with a third survey. This survey will be completed in 2005.

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- Every two years, DPR conducts a follow-up survey with school districts statewide to evaluate their pest management practices and how effective DPR's outreach efforts are.
- DPR will conduct its third (2004) survey and publish its results in a report that will be provided to all school districts. DPR plans to use the information to revise its outreach and training efforts, as needed.

Other

- Continue to collect pesticide use information from licensed pest control businesses.
- Continue development of the school IPM training DVD series. Two additional modules will be developed for as yet undetermined pests.